WHAT IS CLAIMED IS:

- 1. An isolated polypeptide having an amino acid sequence at least 80 % identical to an amino acid sequence as set forth in a sequence selected from the group consisting of SEQ ID NOS: 2, 4, 6, and 8 over a region at least 40 amino acids in length when compared using the BLASTP algorithm with a wordlength (W) of 3, and the BLOSUM62 scoring matrix.
- 2. The isolated polypeptide of claim 1 selected from the group consisting of SEQ ID NOS: 2, 4, 6, and 8.
- 3. The isolated polypeptide of claim 1 that specifically binds to an antibody that specifically binds to a polypeptide selected from the group consisting of SEQ. ID NOS: 2, 4, 6, and 8.
- 4. An isolated nucleic acid having a sequence that is at least 80 % identical to a polynucleotide having a sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, and 7 over a region of at least 100 nucleotides in length when compared using the BLASTN algorithm with a wordlength (W) of 11, M=5, and N=-4.
- 5. The isolated nucleic acid of claim 4 that hybridizes to a sequence selected from the group consisting of SEQ ID NOS: 1, 3, 5, and 7 under conditions of high stringency including 50% formamide, 5X SSC, 5X Denhardt's solution, 10 mM sodium phosphate, pH 6.5, 100 μg/ml salmon sperm DNA and at 42° C.
- 6. The isolated nucleic acid of claim 1 having a sequence selected from the group consisting of SEQ. ID NOS: 1, 3, 5, and 7.
- 7. A vector comprising the isolated nucleic acid of claim 4 operably linked to a heterologous promoter.
- 8. A method of screening whether an agent, conjugate or conjugate moiety is a substrate of a transporter, comprising:

providing a cell expressing a nucleic acid as defined by claim 4 to produce a transporter encoded by the nucleic acid in an outermembrane of the cell;

contacting the cell with an agent, conjugate moiety or conjugate; and determining whether the agent, conjugate moiety or conjugate passes through the transporter.

- 9. The method of claim 7, wherein transporter encoded by the nucleic acid has the sequence of SEQ. ID NO: 2.
- 10. The method of claim 9, wherein the cell is a Chinese hamster ovary cell, a human embryonic kidney cell or an oocyte.
- 11. A method of screening whether an agent, conjugate or conjugate moiety binds to a transporter;

contacting a transporter having a sequence as defined in claim 1 with an agent, conjugate or conjugate moiety;

detecting presence or absence of binding between the agent, conjugate or conjugate moiety and the transporter.

- 12. The method of claim 11, wherein transporter encoded by the nucleic acid has the sequence of SEQ. ID NO: 2.
- 13. A conjugate comprising an agent linked to a conjugate moiety for a transporter having an amino acid sequence as defined by claim 1, wherein the conjugate shows a Vmax of at least 1% of taurocholate for the transporter wherein the agent has a pharmaceutical activity without the conjugate moiety, and the conjugate has a greater Vmax for the transporter than the agent without the conjugate moiety.
- 14. A method of manufacturing a pharmaceutical composition, comprising;

linking an agent to a conjugate moiety to form a conjugate wherein the conjugate is transported by a transporter as defined by claim 1 with a higher Vmax than the agent alone;

formulating the conjugate with a carrier as a pharmaceutical composition.

15. A method of treatment comprising;

administering to a patient a conjugate comprising an agent linked to a conjugate moiety wherein the conjugate is transported by a transporter as defined by claim 1 with a higher Vmax than the agent alone.

- 16. The method of claim 12, wherein the conjugate is administered orally to the patient.
- 17. The method of claim 12, wherein the conjugate is administered intravenously to the patient.
- 18. An antibody that specifically binds to a polypeptide having an amino acid sequence designated SEQ ID NO:2, 4, 6 or 8.
 - 19. The antibody of claim 18 that is a monoclonal antibody.
- 20. The antibody of claim 18 that is selected from the group consisting of a mouse antibody, a chimeric antibody, a humanized antibody or a human antibody.
 - 21. A method of producing an antibody, comprising

immunizing a mammal with a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:2, 4, 6 and 8, and immunenic fragments thereof;

collecting B cells from the mammal;

immortalizing the B-cells

selecting an immortalized cells producing an antibody that specifically binds to a protein comprising an aimino acid sequence selected from the group consisting of SEQ ID NO:2, 4, 6 and 8.

22. A method of screening agents, conjugates or conjugate moieties for capacity to be substrates for a transporter, comprsing

providing a cell expressing a transporter comprising an amino acid sequence selected from the group consisting of SEQ ID NOS: 2, 4, 6 and 8, the transporter being situated in the plasma membrane of the cell;

contacting the cell with an agent, conjugate or conjugate moiety; and determining whether the agent, conjugate or conjugate moiety passes through the plasma membrane via the transporter.

23. A method of screening agents, conjugates or conjugate moieties for capacity to agonize or antagonize a transporter, comprising

contacting a cell expressing a transporter comprising an amino acid sequence selected from the group consisting of SEQ ID NOS: 2, 4, 6 and 8, the transporter being situated in the plasma membrane of the cell; with an agent, conjugate or conjugate moiety and a known substrate of the transporter;

determining whether the agent agonizes or antagonizes uptake of the known substrate into the cell in comparison with a control cell expressing the transporter contacted with known substrate without the agent, conjugate or conjugate moiety.

- 24. The method of claim 23, wherein the known substrate is taurocholate or estrone-3-sulfate.
- 25. An isolated nucleic acid having a sequence that is at least 80 % identical to a polynucleotide having a sequence of SEQ ID NO: 19 over a region of at least 100 nucleotides in length when compared using the BLASTN algorithm with a wordlength (W) of 11, M=5, and N= -4.
- 26. The isolated nucleic acid of claim 25 that hybridizes to a polynucleotide having a sequence of SEQ ID NO:19 under conditions of high stringency including 50% formamide, 5X SSC, 5X Denhardt's solution, 10 mM sodium phosphate, pH 6.5, 100 μg/ml salmon sperm DNA and at 42° C.
- 27. The isolated nucleic acid of claim 25 having a sequence of SEQ. ID NOS: 19.